

you think but different
specimens of magnetite vary
very much. I only gusted
to ring experiment.

With renewed thanks

I am

Very truly yours

Arthur V. Rinker

19, GLEDHOW GARDENS,
S.W.

April 16. 1899

My dear Thompson,

I am really very
much obliged to you for
all the trouble you took
about the magnetite.

My lecture was chiefly about
Wilde's globe as I think
that the question of the existence
of magnetic matter beneath
the oceans must be seriously

discussed, improbable as the
assumption may seem to be.

The question of the shielding
effect of magnets is therefore
important, & if it is as low
as ~~10~~ 5 an assumption
which shall be required,
which is out of the question
of the temperature of no
magnetization is to make
under great pressure as it
is otherwise. I presume to
experiment with the very

one to make trustworthy & I
should have thought that the
determination of the permeability
of a material on which it
is as great as 340 from a
short specimen would be open
to question; but no doubt -
your tests thus into consideration.
The electric traction part
of the business was very brief
& I referred to the fact that
systems in which continuous
currents are not used are
at work & would be much
less objectionable.

Please let me know whether

RÜCKER (Sir Arthur William, F.R.S., *Prof. Physics, Royal Coll. of Science, and Principal, Univ. of London*) A.L.S. (ARTHUR W. RÜCKER), 19 Gledhow Gardens, S.W., April 16 1899, to Prof. Silvanus Thompson, 3½ pages 8vo., 12s 6d

LONDON SOTHERAN

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Referring to Wilde's globe, and especially concerned with magnetite.

5861 RANCE (Charles E. de, geologist) A.L.S. (CHAS. E. DE RANCE), 55 Stoke Road, Stoke-on-Trent
21 December 1895, to G. England, Solicitor, 1 page folio, 12s 6d

A report on 'the depth to which your Waterworks Boring should be carried.'

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